

## Abstract

A method is described for determining an operating state on triggering a fan motor, the fan motor being operated with the aid of a switching device, the switching device being activated via a pulse-width-modulated triggering signal, a pulse duty factor of the triggering signal predefining a triggering state of the fan motor, a voltage potential at the node between fan motor and switching device or a motor current being measured as a measured variable, an operating state being determined on triggering the fan motor as a function of the measured variable and the pulse duty factor.

Figure 1